28 June 1984

MEMORANDUM FOR: CSD OC

SUBJECT

: Revisions to the Requirements Traceability Matrix

for PRIM Release 2

The following areas in the RTM have been revised for Release 2:

1. Front page change to reflect new ODP organization

2. FUNCTIONAL/Data Transfer of COMVAD Dictionaries under DSRD column change 3.1.1.2 to 3.1.1.1
3. FUNCTIONAL/Component Data Manipulation under

DSRD column add 3.1.3.1

4. HUMAN ENGINEERING/Simplicity under DSRD column delete 3.5.1

5. INTERFACE/Data Transfer of COMVAD Dictionaries under SRD column delete 3.6.2

PRIM TEAM

#### UNCLASSIFIED

Personnel Resource Information Management
(PRIM)

Requirements Traceability Matrix (RTM-C20-1D)

by

PRIM Project Team

ODP/MISG/ISD OP/ID/ADRB

28 June 1984

UNCLASSIFIED

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Chapter 1

#### INTRODUCTION

#### 1.1 PURPOSE

The purpose of the Requirements Traceability Matrix (RTM) is to identify and trace requirements from the System Initiation Phase through the System Design Phase.

#### 1.2 SCOPE

The Requirements Traceability Matrix is established in the Definition Phase with the identification of requirements specified in the System Requirements Document. The documentation for the PRIM System was already in motion when the ODP Documentation Standards became effective, therefore the PRIM Team did not produce a System Requirements Document. The requirements listed under the SRD in the matrix were actually restated from the Detailed System Requirements Document. A further refinement of the requirements comes in the Detailed System Requirements Document. These detailed requirements are added and their subsequent allocation is identified in the System Definition Document. As the system life cycle progresses through the System Design Phase, the RTM will be expanded to include the Preliminary System Design Specifications, Data Specification Document and the Detailed System Design Specifications.

#### Chapter 2

### REQUIREMENTS TRACEABILITY MATRIX

Listed on the following pages are the traceable requirements for the Detailed System Requirements Document, System Definition Document, Preliminary System Design Specifications, Data Specification Document, and the Detailed System Design Specifications. The traceable requirements for the System Requirements Document are documented in the third level of the Detailed System Requirements Document.

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REQUIREMENTS

### DOCUMENTS

·	SRD	DSRD	SDD	PSDS	DSD	DSDS
FUNCTIONAL	į		 !		 	
Centralizing Official Data for Component Access	3.1.1		•	  4.1.1  4.1.2  4.1.3  4.3.3  4.3.4  4.3.7  4.3.9  4.3.10  4.3.11  4.4.2	  2.1  2.2         	
Data Transfers from the HRS2 Data Base				4.1.2.1  4.1.2.2  4.1.2.3  4.1.2.4  4.1.2.5  4.1.3.1  4.1.3.3  4.1.3.4  4.1.3.5  4.3.3.1  4.3.3.2  4.3.3.3  4.3.3.4  4.3.4.2  4.3.4.1  4.3.4.2  4.3.4.3  4.3.4.5  4.3.7.1  4.3.7.2  4.3.7.3  4.3.7.1  4.3.7.5  4.3.7.5  4.3.7.5  4.3.7.5  4.3.9.1  4.3.9.5  4.3.9.5  4.3.9.5  4.3.10.6  4.3.10.6  4.3.10.6  4.3.10.6  4.3.10.6	2.2.3   2.2.7   	4.1.2.6   4.1.2.7   4.1.3.6   4.1.3.7   4.3.3.6   4.3.3.7   4.3.4.6   4.3.7.6   4.3.7.7   4.3.9.6   4.3.9.7   4.3.11.6   4.3.11.7   4.4.2.2.6   4.4.2.2.7

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REQUIREMENTS	DOCUMENTS										
	SRD	DSRD	SDD	PSDS	DSD	DSDS					
		         		4.3.11.1  4.3.11.2  4.3.11.3  4.3.11.4  4.3.11.5  4.4.2.2	 						
Data Transfer of COMVAD Dictionaries		3.1.1.1	3.1.7	  4.1.2.1  4.1.2.2  4.1.2.3  4.1.2.4  4.1.2.5  4.1.3.1  4.1.3.2  4.1.3.3  4.1.3.4  4.1.3.5	2.2.3						
Data Transfer of Remaining HRS2 Data		  3.1.1.3               	  3.1.7               	  4.1.2.1.  4.1.2.2  4.1.2.3  4.1.2.4  4.1.3.1  4.1.3.2  4.1.3.3  4.1.3.4  4.1.3.5	2.2.3	  4.1.2.6					
Data Transfer of Planned/ New HRS2 Data		  3.1.1.4     		4.1.2.1 4.1.2.2 4.1.2.3 4.1.2.4 4.1.2.5 4.1.3.1 4.1.3.2 4.1.3.3 4.1.3.4 4.1.3.5	2.2.3	  4.1.2.6  4.1.2.7  4.1.3.6  4.1.3.7					
Non-HRS Data		3.1.1.5									
Data Transfer Between Components	  3.1.2   		  3.2.2   3.3.2		2.2.5						
Potential Reassignments	i 	3.1.2.1	  3.2.2	4.3.5.1	2.2.5	4.3.5.6					

REQUIREMENTS			DOCUM	ENTS		
:	SRD	DSRD	SDD	PSDS	DSD	DSDS
				4.3.5.2  4.3.5.3  4.3.5.4  4.3.5.5  4.3.6.1  4.3.6.2  4.3.6.3  4.3.6.4  4.3.6.5  4.3.8.1  4.3.8.2  4.3.8.3  4.3.8.4  4.3.8.5		4.3.5.7  4.3.6.6  4.3.6.7  4.3.8.6  4.3.8.7 
Component Data Manipulation	3.1.3	3.1.3.1	•	4.3.8	  2.1.6  2.2.6 	4.3.8.6
Queries and Reports	3.1.4             		3.3.4 3.3.6 3.4.2 3.4.3 3.4.4	4.4.1   4.4.2   4.4.3   4.4.4   4.4.5   4.4.6   4.4.7   4.4.8   4.4.9		
Component Generated Online Queries		  3.1.4.1               	3.4.2	  4.4.2.1  4.4.2.2  4.4.2.3   		  4.4.2.2.6   4.4.2.2.7   4.4.2.3.1   4.4.2.3.2   4.4.2.3.3   4.4.2.3.4   4.4.2.3.5   4.4.2.3.6   4.4.2.3.7
Component Generated Offline Reports		  3.1.4.2               	3.4.2	  4.4.3.1  4.4.3.2  4.4.3.3  4.4.3.4  4.4.3.5  4.4.7.1  4.4.7.2  4.4.7.3  4.4.7.4  4.4.7.5		

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REQUIREMENTS

### DOCUMENTS

	SRD	DSRD	SDD	PSDS	DSD	DSDS
				4.4.9.1  4.4.9.2  4.4.9.3  4.4.9.4  4.4.9.5	         	
Component Generated Basic Graphs	<u> </u> 	3.1.4.3	3.4.2			
Career Management Reports	!   !	3.1.4.4	3.4.2		! 	
Data Base Statistics		  3.1.4.5   	•	4.4.8.1   4.4.8.2   4.4.8.3		!   
Data Base Exception Report	         	  3.1.4.6     	3.3.6	4.4.5.1   4.4.5.2   4.4.5.3   4.4.5.4   4.4.5.5	       	 
Data Base Security Reporting	 	  3.1.4.7       	3.4.4	4.4.4.1   4.4.4.2   4.4.4.3   4.4.4.4   4.4.4.5   4.4.6.1	  2.2.5       	
Data Dictionary Reporting		  3.1.4.8 				 
PERFORMANCE	 					
Reliability	  3.2.1 		3.1.3			
Consistent Results		3.2.1.1	3.1.3			
Consistent Output Response	   	3.2.1.2				
Consistent Update Response Level for Component Data		3.2.1.3	3.2.3			
Sizing	  3.2.2   		3.1.3  3.2.3  3.4.3			
Users	   	  3.2.2.1 	  3.1.3   3.2.3		   	 

REQUIREMENTS	DOCUMENTS						
	SRD	DSRD	SDD	PSDS	DSD	DSDS	
	1	<u> </u>	3.4.3		1	[ [	
Data Files	     	3.2.2.2	3.1.3  3.2.3  3.4.3	İ			
Accuracy	3.2.3	     	3.1.3  3.2.3  3.3.3	İ		!   	
Transferred Data		3.2.3.1	3.1.3		!     		
Edits and Validations for Component Data		3.2.3.2	3.2.3	!   	<b>i</b> 		
Timing	3.2.4		3.2.3  3.4.3 	4.4.2  4.4.3  4.4.4  4.4.5  4.4.6  4.4.7  4.4.8  4.4.9	             		
Direct Query	     	  3.2.4.1   		  4.4.2.1  4.4.2.2 		  4.4.2.2.6   4.4.2.2.7  	
Complex Query		3.2.4.2		  4.4.2.1  4.4.2.2 	{   	  4.4.2.2.6   4.4.2.2.7	
Hardcopy Reports		3.2.4.3   		4.4.3.1   4.4.3.2   4.4.3.3   4.4.3.5   4.4.4.1   4.4.4.2   4.4.4.3   4.4.4.4   4.4.4.5   4.4.5.2   4.4.5.3   4.4.5.3   4.4.5.3   4.4.5.4   4.4.5.5   4.4.5.3			

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REQUIREMENTS			DOCUM	ENTS		
	SRD	DSRD	SDD	PSDS	DSD	DSDS
				4.4.7.3   4.4.7.4   4.4.7.5   4.4.8.1   4.4.8.2   4.4.8.3   4.4.9.1   4.4.9.2   4.4.9.3   4.4.9.4   4.4.9.5		
Scheduling Updates to PRIM from External Systems	 	  3.2.4.4               	•	  4.1.2.1  4.1.2.2  4.1.2.3  4.1.2.4  4.1.2.5  4.1.3.1  4.1.3.2  4.1.3.3  4.1.3.4	İ	  4.1.2.6
Updates to Component Data		  3.2.4.5	;  3.2.3	  4.2.1		
Flexibility	3.2.5		3.4.2	•		
Methods		3.2.5.1	3.4.3	[   		
Media		3.2.5.2	3.4.3			
Component Data		3.2.5.3	3.4.2		į	
Availability	3.2.6	!   	3.1.3			 
Normal Hours		3.2.6.1	3.1.3	•		

|3.2.7

[3.2.6.2 | 3.1.3 |

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[3.2.3]

13.2.31

|3.1.3| |3.4.3|

Other Hours

Degraded Mode

Maintainability

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REQUIREMENTS			DOCUM	ENTS	<b>.</b> 'S					
	SRD	DSRD	SDD	PSDS	DSD	DSDS				
Software Errors		3.2.7.1	3.1.3  3.4.3	•	 					
Software Expandability		  3.2.7.2 	3.1.3	•						
Data Base Integrity	3.2.8	 	3.1.4  3.3.3  3.4.3		     					
Data Base Currency	1	  3.2.8.1			1					
Documentation Currency		3.2.8.2								
Stability of User Access		3.2.8.3	3.3.3	   						
Stability of Data Base Organization		3.2.8.4	3.3.3	 	     					
Stability of Data Values		3.2.8.5	3.1.4	•						
Data Base Statistics		3.2.8.6	3.4.3							
Backup	3.2.9	     	3.2.3	 	  2.1.4.1  2.2.4.1					
Frequency		  3.2.9.1 	3.2.3		2.1.4.1	·				
Storage	     	3.2.9.2	3.2.3		2.1.4.1  2.2.4.1  2.3.4.1	į į				
Recovery	3.2.10	   	3.2.3		 	       				
Restore		  3.2.10.1	   3.2.3							
Restart		  3.2.10.2 	2 3.2.3							
SECURITY	ļ ļ	 								
PRIM Data Base Access Security	3.3.1	             	3.2.4  3.3.2  3.3.3	  4.3.1  4.3.2  4.3.9  4.3.10  4.3.11	  2.1.4.2  2.2.4.2  2.3.4.2 	i i				

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REQUIREMENTS	DOCUMENTS								
	SRD	DSRD	SDD	PSDS	DSD	DSDS			
User Data Base Access		  3.3.1.1   	3.3.3	  4.3.2.1  4.3.2.2  4.3.2.3  4.3.2.4  4.3.2.5  4.3.9.1  4.3.9.2  4.3.9.3  4.3.9.4  4.3.9.5  4.3.10.1  4.3.10.2  4.3.10.3  4.3.10.4  4.3.11.1  4.3.11.2  4.3.11.3  4.3.11.3	2.2.4.2  2.3.4.2   	4.3.2.7			
Component Data Base Access		  3.3.1.2   	3.2.4  3.3.2  3.4.4 	  4.3.2.1  4.3.2.2  4.3.2.3  4.3.2.4  4.3.2.5  4.3.9.1  4.3.9.2  4.3.9.3  4.3.9.4  4.3.9.5  4.3.10.1  4.3.10.2  4.3.10.3  4.3.10.4  4.3.10.5  4.3.11.1  4.3.11.2  4.3.11.5	2.2.5   	  4.3.2.6  4.3.2.7  4.3.9.6  4.3.9.7  4.3.11.6  4.3.11.7			
Non-Agency Data Base Access		  3.3.1.3       	3.3.2  3.4.4	  4.3.2.1  4.3.2.2  4.3.2.3  4.3.2.4  4.3.2.5  4.3.9.1		  4.3.2.6			

REQUIREMENTS	DOCUMENTS							
	SRD	DSRD	SDD	PSDS	DSD	DSDS		
				4.3.9.2   4.3.9.3   4.3.9.4   4.3.9.5   4.3.10.1   4.3.10.2   4.3.10.3   4.3.10.5   4.3.11.1   4.3.11.2   4.3.11.3   4.3.11.4				
PRIM Data Access Security	3.3.2		3.3.2	4.3.1  4.3.2  4.3.3  4.3.4  4.3.9  4.3.10  4.3.11	2.1.5  2.2.5  2.3.5 			
Component Record Level Access		  3.3.2.1   	3.3.2	4.3.2.1   4.3.2.2   4.3.2.4   4.3.2.5   4.3.3.1   4.3.3.2   4.3.3.3   4.3.3.4   4.3.3.5   4.3.4.1   4.3.4.2   4.3.4.3   4.3.4.5   4.3.9.1   4.3.9.2   4.3.9.3   4.3.9.3   4.3.9.5   4.3.9.5   4.3.10.1   4.3.10.1   4.3.11.1	                                   	4.3.2.6		

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REQUIREMENTS

### DOCUMENTS

<b>(</b>			DOGOII	PIATO		
	SRD	DSRD	SDD	PSDS	DSD	DSDS
Non-Agency Record Level Access		   3.3.2.2       1   	3.3.2	4.3.11.3   4.3.11.4   4.3.11.5   4.3.2.1   4.3.2.2   4.3.2.3   4.3.2.4   4.3.2.5   4.3.3.3   4.3.3.3   4.3.3.4   4.3.3.5   4.3.4.1   4.3.4.2   4.3.4.3   4.3.4.5   4.3.4.5   4.3.9.1   4.3.9.1   4.3.9.2   4.3.9.3   4.3.9.3   4.3.9.1   4.3.9.5   4.3.10.1   4.3.10.2   4.3.10.3   4.3.10.5   4.3.11.5   4.3.11.5		4.3.2.6
Limited Data Element Access		3.3.2.3	  3.1.4   3.3.2   3.4.4      			4.3.2.6 4.3.2.7 4.3.3.6 4.3.3.7 4.3.4.6 4.3.4.7 4.3.9.6 4.3.9.7 4.3.11.6 4.3.11.7

REQUIREMENTS	DOCUMENTS								
	SRD	DSRD	SDD	PSDS	DSD	DSDS			
				4.3.4.5   4.3.9.1   4.3.9.2   4.3.9.3   4.3.9.4   4.3.9.5   4.3.10.1   4.3.10.2   4.3.10.4   4.3.10.5   4.3.11.1   4.3.11.2   4.3.11.3   4.3.11.5					
Access to Classified Data	,	3.3.2.4	3.3.2	•	   				
PRIM Data Base Reporting Security	3.3.3		3.3.4  3.4.4 	  4.4.2  4.4.3  4.4.4  4.4.5  4.4.6  4.4.7  4.4.9	  2.2.5       				
Data Base Security Reporting		  3.3.3.1               	3.3.4  3.4.4   	  4.4.4.1  4.4.4.2  4.4.4.3  4.4.4.4  4.4.5.1  4.4.5.2  4.4.5.3  4.4.5.4  4.4.5.5	  2.2.5               				
Offline Data Base Reporting		  3.3.3.2           	         	  4.4.3.1  4.4.3.2  4.4.3.3  4.4.3.4  4.4.3.5  4.4.7.1  4.4.7.2  4.4.7.3					

REQUIREMENTS	DOCUMENTS					
:	SRD	DSRD	SDD	PSDS	DSD	DSDS
•				4.4.7.4  4.4.7.5  4.4.9.1  4.4.9.2  4.4.9.3  4.4.9.4  4.4.9.5	         	
Online Data Base Reporting		  3.3.3.3 	3.4.4	4.4.2.1	1   	4.4.2.2.6
PRIM Data Base Update Security	  3.3.4   	       	3.2.4  3.3.3	  4.1.1  4.1.2  4.1.3  4.2.1		
HRS2 Transferred Data		  3.3.4.1           		4.1.2.1  4.1.2.2  4.1.2.3  4.1.2.4  4.1.2.5  4.1.3.1  4.1.3.2  4.1.3.3  4.1.3.4		4.1.2.6   4.1.2.7   4.1.3.6   4.1.3.7 
Component Data	     	  3.3.4.2   	3.2.4  3.3.3  3.4.4			
Software	3.3.5       		3.1.4  3.1.6  3.2.4  3.2.6  3.3.4	   		
Production Software	       	  3.3.5.1   	  3.1.4  3.2.6  3.3.4	j	  2.2.3   	
Development/Maintenance Software	       	  3.3.5.2   	  3.1.6  3.2.4  3.3.4	Ì	  2.3.3   	
System Software	     	  3.3.5.3 	3.2.4  3.3.4	!		1   
Hardware	3.3.6		3.1.4			

REQUIREMENTS	DOCUMENTS					
	SRD	DSRD	SDD	PSDS	DSD	DSDS
		  -  -  -  -	3.1.5  3.2.4  3.2.5  3.3.5  3.4.5	.   		
Existing Equipment	       	3.3.6.1	3.1.5  3.2.5  3.3.5  3.4.5		       	
New Equipment		3.3.6.2	3.1.5  3.2.5  3.3.5  3.4.5		 	
Tempest		3.3.6.3	3.1.4  3.2.4  3.3.5	·	     	
HARDWARE		 				
Current Equipment	3.4.1	     	3.1.5  3.2.5  3.3.5  3.4.5		·       	
Type of Equipment		  3.4.1.1   	  3.1.5  3.2.5  3.3.5  3.4.5			
Future Equipment	3.4.2					
Type of Equipment		3.4.2.1			   	
HUMAN ENGINEERING						
Simplicity	3.5.1		3.4.6			
System Access		3.5.1.1	3.3.6			
Query and Report	 	3.5.1.2	3.4.6		   	
Job Initiation		3.5.1.3	3.4.6		 	
User Friendliness	3.5.2	       	3.1.6  3.2.6  3.3.6  3.4.6	 	       	

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REQUIREMENTS		•	DOCUM	ENTS		
	SRD	DSRD	SDD	PSDS	DSD	DSDS
Guidance		3.5.2.1 	3.2.6  3.3.6	•		
Warning/Error Messages		3.5.2.2	3.1.6  3.2.6  3.3.6  3.4.6	 		
INTERFACE				1		
Data Transfers from the HRS2 Data Base	3.6.1	           	•	  4.1.1  4.1.2  4.1.3  4.3.3  4.3.4  4.3.7	  2.1.7  2.2.3  2.2.7  2.3.7	
Employee Data		  3.6.1.1   	  3.1.7   	4.1.2.1  4.1.2.2  4.1.2.3  4.1.2.4  4.1.2.5  4.1.3.1  4.1.3.2  4.1.3.3  4.1.3.4  4.1.3.5  4.3.3.1  4.3.3.2  4.3.3.3  4.3.3.4  4.3.3.5  4.3.4.1  4.3.4.2  4.3.4.3  4.3.4.1  4.3.4.2  4.3.4.5  4.3.7.1  4.3.7.2  4.3.7.3  4.3.7.5	2.2.3	4.1.2.6   4.1.2.7   4.1.3.6   4.1.3.7   4.3.3.6   4.3.3.7   4.3.4.6   4.3.4.7   4.3.7.6   4.3.7.7
Organization and Position Data		  3.6.1.2       	  3.1.7     	  4.1.2.1  4.1.2.2  4.1.2.3  4.1.2.4  4.1.2.5	  2.1.7  2.2.3  2.2.7  2.3.7	

REQUIREMENTS			DOCUM	ENTS		
	SRD	DSRD	SDD	PSDS	DSD	DSDS
				4.1.3.1  4.1.3.2  4.1.3.3  4.1.3.4  4.1.3.5  4.3.3.1  4.3.3.2  4.3.3.3  4.3.3.4  4.3.4.1  4.3.4.2  4.3.4.3  4.3.4.3  4.3.4.5  4.3.7.1  4.3.7.2  4.3.7.2		4.3.3.7
Edit/Validation Dictionaries		  3.6.1.3                 	•	  4.1.2.1  4.1.2.2  4.1.2.3  4.1.2.4  4.1.2.5  4.1.3.1  4.1.3.2  4.1.3.3  4.1.3.4  4.1.3.5	2.2.3	
Data Transfer of COMVAD Dictionaries				  4.1.1  4.1.2  4.1.3	  2.1.7  2.2.3  2.2.7  2.3.7	
Data Transfer of Remaining HRS2 Data	3.6.3		3.1.7	  4.1.1  4.1.2  4.1.3	]       	
Data Transfer of Planned/New HRS2 Data	3.6.4		3.1.7	  4.1.1  4.1.2  4.1.3		
CONVERSION						

## Approved For Release 2005/08/02: SCHA-RDP\$8E00893R00020006000928 June 1984 RTM-C20-1D

REQUIREMENTS	DOCUMENTS					
	SRD	DSRD	SDD	PSDS	DSD	DSDS
LEGAL			ļ	!	!	
Privacy Act	3.8.1				 	
Significant Changes		3.8.1.1		<u> </u>	 	
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